Annex no. 2
to the Standard Documentation from
Order of the Minister of Finance
no. 115 of September 15, 2021

PARTICIPATION NOTICE INCLUSIVELY FOR PRE-SELECTION PROCEDURES / NEGOTIATED PROCEDURES

Medical transport (type B ambulances) according to the needs of the IMSP National Center for Pre-Hospital Emergency Medical Assistance and IMSP SCM Gheorghe Paladi (repeated 3)

(to indicate the object of procurement)

through the procurement procedure: Open tender

(type of procurement procedure)

1. **Name of contracting authority: CENTER FOR CENTRALIZED PUBLIC PROCUREMENT IN HEALTHCARE**
2. **IDNO (Unique identification number): 1016601000212**
3. **Address: MD-2005, Republic of Moldova, Chișinău municipality, 22/2 Grigore Vieru street.**
4. **Phone/fax no.: 022-222-445; 022-222-490**
5. **E-mail and web page of the contracting authority: office@capcs.gov.md, http://capcs.md/**
6. **The e-mail or web page from which it will be possible to obtain access to the award documentation*: SIA RSAP***
7. **Type of contracting authority and main object of activity (as appropriate, indication that the contracting authority is a central procurement authority or that the procurement involves another form of common procurement): Central purchasing authority responsible for the procurement of goods and services for the needs of the health system**
8. **The buyer invites the interested economic operators, who can meet his/her needs, to participate in the procurement procedure regarding the delivery / provision / execution of the following goods / services / works:**

Cod CPV: 34100000-8

Digitally signed by Gorceag Gheorghe
Date: 2022.09.29 15:25:16 EEST
Reason: MoldSign Signature
Location: Moldova

No. lot	**Name of offered goods**	**Unit of measurement/ Quantity**	**Full technical specification requested by the Contracting Authority**	**Estimated value**
1	Type B 4x4 EMERGENCY AMBULANCES	**39 unity**	Schedule of Requirements and Technical Specifications Type B 4x4 EMERGENCY AMBULANCES 1. GENERAL REQUIREMENTS The ambulance meets the normative requirements for the special vehicles: by type B 4x4 ambulance, it is understood an ambulance of emergency medical service. 1.1 Norms and standards The applied legislation for the elaboration of technical specifications: • Law of the Republic of Moldova about health protection no. 411 from 28 March 1995; • Law of the Republic of Moldova about medical devices no. 102 from 9 June 2017; • Order of the Ministry of Health of the Republic of Moldova no. 739 from 23.07.2012 with regard to the regulation of the authorisation of medicinal products of human use and introduction of amendments post-authorisation, with subsequent amendments; • European Norm EN 1789/2007, A2 edition with regard to medical vehicles and equipment with subsequent amendments; • The medical devices meets the requirements foreseen in the European Directive 93/42/CEE regarding medical devices; • The medical devices fully corresponds to EN 1865 (specifications for stretchers and other equipment for transporting patients by ambulances), when other indications are not given. • The medical devices possess the following: a) Declaration of conformity to the European Communities requirements issued by the manufacturer for the produced medical device; b) Declaration of conformity to the European Communities requirements in force for produced devices, where appropriate; • The manufacturers of medical devices follow the quality standard ISO 9001/2008 (quality management system) with subsequent amendments. 1.2 Type of the car's body	**60 785 000**

			1. The ambulance will be built from a single piece of van type with an integrated cabin (added containers or compartments for patients are not allowed). The roof-superstructure made of plastic is not accepted. 2. Ground clearence minimum 200 mm. 2. PERFORMANCES 2.1 Engine: ● cylinder capacity 2000-2200 cm3 ±5%.; ● fuel: diesel; ● Euro 6; ● minimum 170 HP ±5%.; 2.2 Security systems: • Anti-lock braking system (ABS) with electronic system, according to the standards of the automobile industry. • Electronic Stability Program (ESP). • Assisted servo: any type of servodirection will be accepted. • Parking Assist Control will at least be of sound type, but combined types (video and sound) will also be accepted. 2.3 Traction: • Manual gearbox, 6+1 speed or automatic. • The ambulance has 4x4 traction. • The ambulance is equipped with steel wheels, winter/summer tires according to the season of delivery and spare wheel, with the same dimensions as the car is equipped with. 2.4 External appearance: The ambulance is in white colour with the following inscriptions and hallmarks: On the front:	

			- ”AMBULANȚA”, printed reversed (blue colour with a height of 150mm); the international symbol of Emergency Medical Service ”Star of Life” (six blue arms, height 300 mm and width 300 mm) of plain blue material. On the both sides of the car body: - The international symbol of Emergency Medical Service „Star of Life” (six blue arms, height 300 mm and width 300 mm) of plain blue material. - ”ASISTENȚĂ MEDICALĂ URGENTĂ” (height 130 mm, blue colour); - National unique number „112” (white on a red background, height 240 mm); - Bands (orange colour, height 150-230 mm each (depending on the height of the ambulance). On the back: - „AMBULANȚA” (blue colour with a height of 150mm); - On the window - two international symbols of Emergency Medical Service „Star of Life” (six blue arms, height 300 mm and width 300 mm) of plain blue material. - The inscriptions are reflective / fluorescent. **3. ELECTRICAL REQUIREMENTS** **3.1 System for visual and acoustic alarm**. • The ambulance will have both visual and acoustic warning system. • The system will allow the possibility to broadcast the necessary information to the people outside the car by using a microphone from the driver's cabin. • The system will be designed so as the siren will not be operational unless the light bar will be in operation. • The various components of the visual warning system will be electrically powered by means of a general switch, which will connect the alarm system to the electrical system of the vehicle. • The alarm system connected directly with the general button to ensure its operation even when the ambulance engine is stopped. • The lights signals will follow the technical requirements stipulated in R 65 CEE - ONU. • The front of the ambulance is equipped with a blue strobe light bar, fixed on the roof, above the driver's cabin or incorporated. This is visible from the front, back and sides of the ambulance.	

			The light bar is equipped with a speaker for a siren and a microphone, with variable acoustic signal intensity. • Special sound signals (siren) mounted on ambulances will have a power of 100 W. This sound power is minimum and is part of a European standard (CEN 1789) governing the complex construction of ambulances. • Between the main headlights, embedded in the mask or on the hood, are fixed two blue flashing lights, oriented towards the front of the vehicle. The operation is carried out by a button different from that of the main light bar. • The main headlights are equipped with a system that includes them in the warning system, so that they illuminate intermittently - high beam or low beam, alternatively, by the left and right headlights. The operation is done through a button different from that of the main light ramp. • At the back, the ambulance is equipped with two blue cylindrical strobe lights, fixed on the roof. These strobes are visible from the back and side. The operation is done through a button different from that of the main light ramp. • On the each lateral part, at the top of the ambulance, there will be placed three intermittent, rectangular blue LED lights. The operation will be done through a unique button with that of the main light bar. • The lateral right side and the back of the ambulance will each have one LED light bulb, directed towards the ground under 45 degrees angle. The operation will be done through separate buttons for each group (right-lateral and back) placed in the driver's compartment as well as at opening the door. • The siren can be operated from the driver's compartment, using a remote control with a microphone. The remote control includes illuminated buttons, including a three-position button. Standard tones are Wail, Yelp, Piercer, Manual Siren and Horn. • The system has the possibility of verbal addressing outside by using the microphone. • The ambulance will have fog lights installed, mandatory front-back. 3.2 Battery and alternator • The construction of the battery and all its connections will be designed so as to prevent a short circuit due to lack of attention. • The electrical system must be able to store a reserve of electricity to restart the engine. The ambulance must have installed at least one more battery (additional).	

			• Minimum capacity/power (according to EN 1789, with subsequent amendments). - Starting battery: rated voltage 12 V min. 80 Ah. - Additional battery: rated voltage 12 V min. 80 Ah. - Alternator: minimum power 1500 W/12 V. - Both batteries shall comply with the EN 1789 standard and all its subsequent amendments. - Inverter 12V-220V, minimum power 1500W. 3.3 Electrical installation 3.3.1 The ambulance will have in its structure an external connector, with type IP-65 protection degree, to make possible the charging of battery (ies) and other equipment, medical devices, to preheat the engine while the ambulance is parked and to heat the patient's compartment. 3.3.2 The 220V connector will be of "male" type and will be installed on the lateral side of the ambulance on the driver's side. As well, two connectors of "female" type will be delivered, having an attached cable of at least 20 m in length. 3.3.3 The starting of the engine will not be possible as long as it is connected to an external power 220V source. 3.3.4 The electrical system of the ambulance must contain at least four separate sub-systems as follows: - Basic system for the unequipped vehicle. - Power supply system for medical devices. - Power supply system for patient's compartment. - Power supply system for communications. 3.3.5 Sockets for consumers supply will be foreseen as follows: - 12V sockets for the medical devices in the patient's compartment - minimum 4pieces. - 12V sockets in the driver's cabin – minimum 2 pieces. - 220V sockets for the medical devices in the patient's compartment - minimum 4pieces which will be powered by a 12V-220V inverter with a minimum capacity of 1500W. 3.3.6 The electrical installations will meet the following requirements:	

			- All circuits in the patient's compartment will have automatic safety devices and/or separated switches designed/foreseen within the construction. - The switches must be properly marked and the function of each circuit will be easily identifiable. - There will be at least two circuits so as the failure of one of the circuits does not switch off all the lights or all connected medical devices. - The wiring must withstand more than the maximum load of the fuses or the switches with at least 30%. - The wiring and the pipelines must withstand vibrations. The cables have to be installed in the pipelines. - The cables will not cross areas where are used the gaseous substances. - The outputs will not be interchangeable there where are different voltage systems. **4. THE BODY OF THE VEHICLE** 4.1 Fire safety: All the materials used inside the vehicle must be fire resistant, their firing rate must to be of 100 mm/min, maximum. 4.2 Driver's cabin: The cabin will be equipped with the following: - Windshield defrosting/demisting system operating while the ambulance is in motion or parked both the type integrated in the glass that works on the basis of electricity, and the disintegrated type based on the flow of hot air provided by the vehicle's heating system are accepted. - An external windscreen washing system. - Ventilation and air conditioning system. - Two sunshades. - A handhold for the accompanying person placed near by the lower corner of the windscreen and one handhold above the entrance door. - Airbags for the driver and the passengers. - Double bench for the passenger.	

			- Electrically regulated and heated rear-view mirrors. - Radio, Bluetooth. - Navigation system and the software corresponding to the territory of the Republic of Moldova. - Rechargeable and detachable torch. 4.3 Minimum loading capacity: The number of chairs and/or stretchers (except driver): • 2 in front with seatbelts; • 2 behind (folding). The seat installed in the direction of travel will be equipped with the left arm and a 3-point seat belt integrated into a 180 ° rotating seat and having a headrest, and the seat installed opposite the direction of travel will have a 2-point seat belt. and a headrest. • The stretcher will have the safety belts fastening system, including from the head end of the stretcher over the patient's shoulders. A child set must be included. 4.4 Partition wall: A partition wall will separate the driver's compartment from that of the patient. A sliding window will be foreseen in the partition wall. The window will allow the direct visual contact with the driver. It will be secured against accidental opening and will have an opaque curtain or other devices, so that the light from the patient's compartment to not disturb the driver. The parts of walls besides of the windows above the stretcher level (including the cupboards and drawer fronts) will be made of washable material resistant to disinfection. 4.5 Emergency exits: Besides the back door, there will be an alternative exit from the patient's compartment, which would allow the evacuation of the patient (patients) and the team. 4.6 Openings (doors, windows): • Must to exist minimum two exits: - One in the back (swing doors) - One lateral exit (door) at the patient's compartment. Open position: • The rear doors must allow an opening of minimum 250 º - maximum 270 º.	

			• All openings will be equipped with seals against water infiltration. • The stretcher's loading angle will be of maximum 16º. • The ambulance's doors will be equipped with central locking. • The external doors from the medical compartment must be equipped with security devices according to the requirements: - to be opened and closed from inside without a key; - to be opened and closed with a key from outside the same as when doors are blocked from inside; - the key may be mechanical or non-mechanical, in case if there is a central locking system. • At least two exterior windows should be in the patient's compartment, one have to be on the right side and one on the backside. The window on the lateral side will be a sliding one. • The windows have to be placed so as to ensure patient's privacy, and 1/3 of the top of the windows will allow to see outside. • In case when the doors from the patient's compartment are not completely closed or are opened, an audio and visual signal will alert the driver. 5. PATIENT COMPARTMENT 5.1 General requirements: • The patient's compartment must be designed and built so as to ensure necessary space for the medical devices mentioned bellow. • The ceiling, the inside walls and the doors of the patient's compartment must be made completely from or covered with washable materials resistant to the disinfection. • The material used inside the ambulance (patient's compartment) must to meet the requirements stipulated in the EN 1789 standard. • The compartment of the ambulance must be designed so as 2-4 people to be able to carry out their activity in a vertical position, in comfortable conditions.	

			• The edges of the surfaces must be designed against the ingress of fluids. If the floor does not allow the fluids drain, one or more leaks with stopper/stoppers must be available. • The open shelves must be designed with rounded edges. Drawers must be secured against accidental opening. • The ambulance must be equipped with a compartment for medicines designed with a safety lock. • The ambulance must be designed with one or more handholds positioned above the stretcher on the longitudinal axis. • There must exist 2 handholds positioned near the doors of the patient's compartment: - one handhold installed on the partition wall near the lateral door; - the second handhold installed on the lateral wall near the rear doors. • The entrance into the medical compartment through the rear doors must be facilitated by an installed metal step. • The maintenance equipment (ex. spare wheel or toolbox) will not be accessible from inside of the patient's compartment. Description: Regarding the medical compartment from the rear door the following specifications have to be followed: • The wall on the left side (from the driver's side) will be used for attaching the medical equipment, consumables, and the holders and chargers for the portable medical equipment such as defibrillator and its annexes, fixed vacuum secretions, automatic electric syringe, oxygen supply system - humidifier flow meter. Compartments intended for the storage of medicines and consumables integrated in the left wall must be made of rubber tarpaulin and do not require transparency. Compartments intended for the storage of medicines and consumables integrated in the left wall must be made of rubber tarpaulin and do not require transparency. • All devices installed on the left side wall must to be reachable by hand and visible to the person who is sitting on the chair, placed at the stretcher's head. In case when the configuration allows, a cupboard will be placed for sanitary materials. • On the right side wall, at the level of half upper of the stretcher, will be attached a folding seat for the accompanying person with the possibility to spin towards the stretcher, the seatbelt will	

			be attached by the seat. Some immobilization equipment will have the possibility to be attached on this wall behind the seat of the accompanying person. • The ceiling of the medical compartment will be used for attaching the support for infusions. • The partition wall will be used for attaching a chair with its back towards the driving direction. A container for used materials will be placed on this wall, which should be easy to empty. As well, in this zone there will be a special place for storing the suitcase with resuscitation/examination equipment. It will be easily accessible from outside by opening the lateral door. Also, in this zone there will be placed a container for sharp materials, a disinfectant dosing device and one paper towels holder. • The stretcher holder will be placed to the left side of the patient's compartment. • 2 attached oxygen cylinders with the capacity of 10 l, each, will be placed in a well-defined place in the medical compartment in a zone which allows their easy change. The compartment for the oxygen cylinders must have a transparent and foldable window, to be able to handle the O2 cylinders. • The compartment intended for the oxygen cylinders must have a transparent and foldable window, in order to be able to handle the O2 cylinders. • The pipes must be adjusted to the O2 supply system, that is, they must be made of compatible plastics, durable over time, withstand the pressure in the system, equipped with quick-connect elements and be accessible for repair in the future. • 2 portable oxygen cylinders, one with the capacity of 5 l will have a special place for attachment to the stretcher, and another will have a capacity of 2 l, foreseen with own carrying bag. • The trolley with wheels and fastening system for the patient will be installed in the back, which is easily accessible. • The floor will be chosen so as to provide an adequate adhesion for the accompanying person, including when it is wet; it has to be resistant and easy to clean. • The interior part of the patient's compartment, fully equipped, will be designed so as to reduce to minimum the risk of injury. 5.2 Dimensions of the patient's compartment • Minimum length: 3000 mm, at the stretcher level from which it is excluded the length of any cupboards, drawers and other furniture placed near the partition wall.	

			• Minimum height: 1750 mm, in the stretcher working zone. • Minimum width: - Total, including cupboards- minimum1600 mm.; - The minimum width of the useful surface - minimum 1400mm (according to EN 1789). 5.3 Requirements for the dimensions of the seats from the patient's compartment: - Height: 400 mm -500 mm from the floor; - Width: at least 450 mm; - Depth: at least 400 mm; • For the backrest of the seat: - Height: at least 450 mm; - Width: at least 450 mm. 5.4 Ventilation system: A ventilation system will be available, which would ensure a minimum of 20 replacements per hour of the air volume in the patient’s compartment. 5.5 Heating and cooling systems: • Besides of driver’s cabin heating, will be available an independent, adjustable, system, to heat the air in the patient’s compartment. The system will consists of 2 separated subsystems: - Independent heating aggregate, functional when the engine is on or off. - Heating electric radiator, functional when the ambulance is parked and is plugged to the 220Vpower socket. Those shall be provided with thermostats so that temperature fluctuations not to exceed ± 3ºC. • The system configuration will prevent the entry of exhaust gas in the patient's compartment. • Besides the heating system there will be available an air-cooling system (air conditioning) which will serve the patient's compartment separately.	

			• Heating system of the patient's compartment: - Autonomous heating system in the medical compartment of the vehicle. - The possibility to reach the necessary temperature in 15 min. - To create a temperature of 22°C at the middle of the stretcher in no more than 30 min. - A thermostat must be aviable in order to maintain the temperature with ±3°C. 5.6 Interior lighting • LED lighting of the patient's compartment (light of balanced, natural colour) - Patient's zone: minim 300 lx (adjustable); - Surrounding zones: minimum 50 lx. 5.7 The level of inside noise Depending on the running speed, the level of inside noise will be according to the European regulations in force (according to EN 1789, pct. 5.7.8 – Interior noise level). 5.8 Perfusion support system • A folding support for perfusion, mounted on the ceiling, will be able to hold two-three perfusions attached vertically and able to maintain their balance. The support should make maximum use of the vehicle's height above the stretcher. • The support system will have a minimum capacity of 5 kg and will be able to support three bags with liquid, independent one from the other (according to EN 1789). • On the left lateral wall in the proximity of electrical and oxygen sockets there will be installed the bar which will have a sufficient length for mounting the necessary devices. 5.9 Systems for maintaining/attaching the equipment in the patient's compartment (EN 1789 and the subsequent amendments)	

			• Without exception, all materials such as medical devices, the equipment and items that normally are in the ambulance must be attached so as not to be projected when being subjected to a force of minimum 10g (gravitation) horizontally and vertically. • The distance covered by the materials when are subjected to a force does not have to endanger the safety of people in the ambulance. • If they are subjected to these forces, then: - no item will have sharp edges which would endanger the people safety in the ambulance; - the maximum distance of movement of the support or any other attached component and of the fixing system will not exceed 150 mm. 6. MEDICAL DEVICES AND EQUIPMENT 6.1 Endowment with medical devices The ambulance will be designed and built so as to ensure: - The assisted transportation in conditions of maximum safety for the patient and the personnel; - The location and attachment of the medical devices. 6.2 Medical equipment storage • All equipment necessary to perform the standard procedures need to be stored in a place specially designed for this purpose. • The essential equipment needed for an intervention outside the vehicle must be easily accessible through the ambulance's doors. • All equipment will be safely stored by using a fastening system to prevent knocking / injury when the vehicle is moving. 6.3 Requirements for medical devices General requirements:	

			• The equipment will be designed for both, to be used in conditions when the ambulance is in motion as well as to be used to the scene. • If the equipment is designed as "portable" (except the equipment for the patient transportation) it must to: - be carried by one person; - possess own energy source, to be self sufficient, and charged up in the vehicle while it is in motion or is parked; - be used outside of vehicle, independently. • Temperature: - In the absence of other inscriptions on the device, it must to be able to operate within a temperature range of ≤ -5ºC - ≥+40ºC. - In the absence of other inscriptions on the device, this must to be able to operate minimum 20 minutes when it is at a temperature of -5ºC. • Attaching of the equipment: - It will be attached inside the vehicle. - The fastening system must to resist to the accelerations of 10G. - Electrical terminals and sockets will not be part of the fastening system of the equipment. • Electrical security: - All equipment must to be selected and installed so as not to damage the equipment supplying electricity. • Interface with the user: - Buttons, switches, indicators and control panels must to be easily accessible. • Maintenance: - The manufacturer must to provide the user and maintenance guides in Romanian and Russian/ English. 7. LIST OF EQUIPMENT	

			7.1 The equipment for handling and immobilizing the patient: • The support for the stretcher with fastening system with the possibility to place the stretcher laterally or in the middle with the sliding system. • The main stretcher with wheels and fastening system for the patient: Meets the following criteria: - Length 1950mm ±20 mm. - Width 550±20 mm. - Wheel diameter minimum 200 mm. - To follow the requirements of the standard EN 1865-1:2010+A1:2015 material - metal. - Composed of two removable parts: stretcher and trolley. - EN 1789 testing – the testing certificate must to be available. - Automatic release of the legs of the trolley when unloading from the ambulance. - Height adjustable, minimum 3 positions. - Position Trendelenburg and anti-Trendelenburg when the trolley is on its own wheels. - Adult seat belt system, including over the patient's shoulders. - Child safety belt system. - Folding support for infusions. - Folding lateral handles. - Telescopic handles for the transportation of the stretcher. - Wheel brakes. - System for folding the front and rear legs of the stroller. - Platform and the trolley will support a weight up to 220 kg separately or combined, including when the equipment is on the wheels. - Reusable mattress, made from resistant material, which allows a easy washing and disinfection: - Length 1950mm ±20 mm; - Width minimum 550 mm±20 mm;	

			- Height 100 mm ± 10%; - Other parameters according to the standard EN 1865. • Rigid adjustable stretcher of shovel type made of aluminium: - With head immobilization system. - Adjustable on its length in at least 3 steps for patients with different heights. - Folding. - Fastening straps for the patient. • Complete rigid stretcher for the spine with fastening system: adult and child. • Head immobilizer device: - Made of plastic material, dense with large ear holes for monitoring the patient; impermeable material, easy to clean and disinfect. • Vacuum mattress - 2 pieces, 1 adult and 1 child: - Includes pump and repair kit. - The pump will have the capacity to reduce the pressure with 500 h/Pa during maximum 4 minute. - The minimum width for the vacuum mattress for the adult is minimum 80 cm, for the paediatric one is minimum 45 cm. - Handles for transport. - Fastening straps for the patient. - Other parameters according to the EN 1865 standard. • Wheel chair, with patient fastening system - supports the patient's weight 150 kg ± 10%. Four wheels, including two wheels with braking system. Fixed to the wall of the ambulance. The surfaces of the backrest, and of the footrest are easily detachable. Chair weight less than 10 kg.	

			• Traction device for femoral fractures with a carrying bag. • KED type extrication device - 1 piece. • Splints vacuum for the immobilization of upper, lower limbs - one set each with belts for pelvic immobilization - 2 piecies (set to include additional pump, carrying bag, and emergency repair kit). 7.2 Equipment/devices for resuscitation - breathing (minimum requirements) • Fixed oxygen installation: - Oxygen cylinders: 2 cylinders of 10 liters each, with fast interconnection system: - Pressure reducers endowed with manometers for each cylinder. - 2 fast connections standard DIN for respiratory assistance devices, attached on the left lateral wall. - Flow meter with a maximum capacity of at least 15 L/min., with adjusting valve, humidifier, tubing and facial mask. - 1cylinder of 5 litters with stretcher attachment system, with carrying bag for protection and transportation and reducer with flow meter. • Portable oxygen: - 1 cylinder of 2 litters with place for attachment and fixation in the ambulance, endowed with a bag for transport. - Pressure reducer with a flow meter with a maximum capacity of at least 15 l/min with adjusting valve, tubing and facial mask. • Aspirators - 2 pieces: - One attached to the ambulance’s wall according to EN 1789;	

			- One portable electrical device, endowed with a bag for transport, with powering and fixation system in the ambulance: - Resistant to fall, blows, water and disinfectants; - With a vacuum regulator incorporated; - Robust, portable, compact; - Electrical operation from the incorporated battery; - Continuous regimen of operation, based on the built-in battery or connected to the power supply. Battery life time is at least 60 minute; - 220V, 12V power supply with adapter; - Maximum free air suction flow 30 L/min, the pressure will be minimum 600 mmHg, the minimum capacity of the reusable reservoir - 1 L; - Alarm and monitoring system for the battery status and connection to the power supply; - There is delivered in a kit with cable for connection at 12V, with minimum 2 reusable silicone tubes of 1,5-2 m in length and with antibacterial filters, minimum 5 pieces. 7.3 Equipment for monitoring/defibrillation/diagnosis • Semiautomatic defibrillator with monitor: General requirements: - Semiautomatic defibrillator with monitor, robust construction, easy to clean the surfaces, easy to manipulate, to use and transport; - Equipped with alarm systems minimum for: - electrodes detachment; - asystole; - tachycardia; - bradycardia; - fibrillation;	

			- With digital adjusting systems for the levels of alarm. - Impermeable bag with interior compartments and adjustable strap. - Vibration according to EN 1789. - Resistant to the impact, according to EN 1789. Delivered configuration: - Defibrillator with Li Ion battery. - Kit of reusable paddles, including adult and paediatric paddles – 1 set. - Kit of disposable paddles adult and child, including the adapter for the paddles use. - Must to possess one terminal designed for the testing of the proper functionality of the paddles. - Kit of cables for 5-lead ECG. - 15 disposable ECG electrodes (3 boxes of 5 electrodes each). - Built-in thermal printer. - Printer paper -5 pieces. - Cable supply to the 220V network and to the 12V network with connector. - Card SD minimum 2 Gb. - Dedicated carrying bag. - Maximum weight with bag 5,5kg. Technical description: - Must to possess an in-built monitor, HD colour of minimum 7 inches. - Must to allow displaying and visual supervision: ECG route, Pacemaker detection, AED mode, SpO2 values, noninvasive blood pressure, battery status, alarm status, day, date, must to count and record each defibrillation shock. - Must to possess a fast and safe access to menu for the options and the shocks power. - Must to possess an in-built Li-Ion rechargeable battery.	

			- The battery must to provide sufficient power for administration of 150 shocks minimum of 200J or no less than 4 hours of ECG continuous monitoring. - The battery life-time is minimum 4 years. - The recharging time is maximum 4 hours. - Must to possess the sound and visual alarming systems regarding the battery discharge; - The system will be able to work both with reusable paddles as well as with disposable paddles, the paddles must to be interchangeable. - The system must to recognize automatically the paddles type. - The system must to recognize and display on the screen the correct position of the paddles on the chest. - The system must to possess a hardware. - The system must to possess the possibility of automatic evaluation of ECG. - Recording: minimum 2 GB of internal memory. - The system must provide built-in modules for: AED included, SpO2 incorporated, NIBP incorporated, Wi-Fi (band frequency 2.4 CHz) incorporated, Bluetooth incorporated (version 4.0 or 5.0, band frequency 2.402 GHz-2.48CHz). - Heart frequency range between 30 to 300 bpm. - The system must to be able to function as an external Pacemaker. - The printing will be automatic or manual on the one channel. - The width of the paper is 48 mm or other standard dimensions. - The printing speed is 25, 50 mm/sec. - Must to possess alarm systems for: electrode detachment, asystole, tachycardia, bradycardia, and fibrillation. ECG monitoring: - 3 channel derivatives. - ECG signal capture can be done through the paddles with defibrillation, disposable or reusable electrodes.	

			- The Pacemaker recognition must be automatic. Technical parameters defibrillation regimen: ◦ Defibrillation type – BTE type wave (biphasic truncated exponential waveform); ◦ Shock power – automatically selected in the standard way from 2 to 200J; ◦ Recharging time for repeated shock administration maximum 8 seconds; ◦ Synchronous discharge for cardioversion. ◦ Automatic system for shock power limitation until 50J when the system recognizes the paediatric paddles; ◦ Automatic cancellation and discharge system of the shocks until 30 seconds in non-usage period. • ECG device with bag for transport Technical description: - Built-in color LCD screen, available to display 3,6,12 leads. - Multiple linguistic support (Romanian and Russian/English). - ECG wave preview, self-diagnosis and the possibility to print the results. - Have a licensed software that allows opening the cardiograms on a computer with Windows 10 operating system. - Port USB – for recording data and back-up. - To possess the calibration system. - Availability of detection and protection systems from the cardiac stimulator and the shock defibrillator. - Functions for Auto Measure and Auto Diagnosis. - Simultaneous recording on 12 channels, amplification and recording. - Built-in thermal printer.	

			- ECG wave editing, receiving, recording speed, patient information and report regarding the performed measurements. - AC and DC power supply. - Rechargeable battery with lithium-ion battery, minimum 2 hours of continuous operation. - Internal memory for 300 ECG waves. - Built-in SD card of minimum 2 GB, which allows to record over 10000 ECG waves. - Online update software available. - Automatic measurement and interpretation, automatic testing, verification of the acquisition channels format3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 12×1, 12×1+T. - The selectable working modes: manually / automatic / rhythm function. - Notify the connection error of the cables or positioning / detachment of the measuring electrode. - High precision digital filters. - Built-in Wi-Fi mode (2.4 CHz band frequency) that allows the online transmission of ECG waves. - ECG recording channels: standard 3, 6, 12 channels. - Accuracy ±2%. - Calibration Voltage - 1mV ± 1%. - Input Impedance 50MΩ. - Circuit Input Current< 50nA. - Stabilization of the reference base – automatic. - Input / external output: ◦ Input ≥100 KΩ sensitivity10mm/V ±5%; ◦ Output: ≤100Ω, sensitivity 1V/mV ±5%. - Recording speed 25 mm /s 50 mm/s. - Delivered accessories: o supply cable-1pice; o patient cable-1 pice;	

			o reusable chest electrodes of pear type-6 pices; o clips type reusable electrodes for extremity- 4 pces; o printer paper-5 pices minimum; o grounding cable-1 piece; o Fuses-2 pices; o PC connection cable-1 piece; o Supply cables: AC-1 piece and DC-1 piece. - User guide in Romanian and Russian or English. - The weight of the device is maximum 3,5 kg together with the transport bag. •Automatic electric syringe with in-built battery Delivered configuration: - Electric syringe; - Li Ion in-built rechargeable battery; - Bar fixing mechanism; - Automatic recognition of mode and of software for syringe; - Supply cable AC - 1 piece; - Kit of syringes for starting and calibration. Technical description: - The digital control to insure a maximum accuracy and safety; - Compatible with syringes of 10ml, 20ml, 30ml, 50ml/60ml, with automatic recognition; of syringes; to be able to function with syringes of various brands; - To be able to automatically calculate the debit after the introduction of the infused volume and the administration time; - To allow the administration of the infusion in bolus at request, with a preselected volume and the accuracy of minimum +/-2%;	

			- To include the calculation of dosage as well; - To possess a drug library; - Infusion speed is 0.1 -200 ml /hour. Monitoring system for: ◦ The accumulator`s status; ◦ The connection to the main 220 V power source; ◦ The occlusion pressure level; ◦ The administration profile; ◦ The preselected time; ◦ The operating state; ◦ The unit of dosage/flow measurement; ◦ The infused volume; ◦ The remaining time. Alarm system: ◦ The preset alarm in case of occlusion, to overcome the pressure; ◦ The alarm for the wrong introduction of infusion solutions; ◦ The device malfunction; ◦ When the alarm is triggered, the injector will automatically stop. • Portable heating system for infusion solutions with supply at 12 V and 220V: - Allows the heating of at least 3 solution bags of 1 L each or 6 bags of 0,5 L each. - Must to be included a bag for transport, thermally isolated, with shoulder strap. - The thermal isolation is efficient for 2 hours from its disconnection from the power supply. • Refrigerated bag for thermolabile medicines: - Inner dimension (L * W * H): 180 * 100 * 80 mm (+/- 20 mm);	

			- External dimension (L * W * H): 240 * 170 * 195 mm (+/- 20 mm); - LCD temperature display. - Units of measurement: oC and oF - With the possibility to adjust the temperature. - Operating mode between +2 oC and +8 oC; - Possibility to work in the environment with a minimum temperature: +35 oC. - LCD size: min 58 * 18 mm; - Net weight: 3-5 kg; - Volume: min 1.5 L; - Total weight (with accessories): maximum 6 kg - Accessory: • lithium battery - 2 pcs; Battery working time: min 6 hours; • Car adopter - 1 piece; • Charger - 1 pc; • Adjustable shoulder strap - 1 piece; • Cover for accessories - 1 piece; - Power: AC: voltage: 100V-240V, DC: Voltage: 12V, Input / output voltage (adapter) AC100V-240V / DC9.0V; Voltage (lithium battery) - DC 7.4V; - Support AC110 ~ 240V, DC12V. - The interior will be equipped with a horizontal dividing support for medicines of 1-10ml (min 20 amp.) - With special place, well fixed in the patient's compartment with the possibility of 220V and 12V power supply.	

			7.4 Sanitary materials (minimum requirements): • Mattress with handles for patients transfer, made of washable material, minimum width 80 cm -2 pieces. • Kit for amputated limbs + container for replanting with maintaining of the internal temperature at -2 - +4°C, for at least 2 hours -1 pice. • Bag /rucksack for portable equipment made of impermeable textile, easy to clean, with reflective strips, foreseen with a spacious compartment divided by removable separators (for Type AMBU balloon, Kit of oropharyngeal, Laringeal masc, Mechanical manual vacuum, Tensiometer with stethoscope, Rechargeable oxygen cylinder 1 L) . On the exterior it has 2 lateral and 1 frontal pockets, support with the handles and adjustable shoulder strap with the pad. Composition: - Type AMBU balloon (1 adult, 1 child) with 5 masks (3 adult, 2 children); -Manual tourniquet system – 1 piece. It must to be easy, portable, to possess a manual pump with manometer in the set with a reusable cuff for adult and child, with a connection tube of minimum 1m (in length), with dedicated bag. - Rechargeable oxygen cylinder 1 L, with the reducer and flow meter - 1 piece. The kits mentioned above will be attached in the place where they will be easily accessed, but without affecting the working space around the patient. Their location will be discussed with the beneficiary before the final execution of attachment works in the patient's compartment. 7.5 Auxiliary materials and devices: • Safety belts cutting device– 1 piece. • Medical scissors of type „safety boy" – 1 piece. • Reflective triangle- 2 pieces. • Flexible projector – 1 piece, able to be connected at 12 V in the driver's cabin. • Rechargeable portable lantern - 1 piece. • Hammer to break the window - 2 pieces, (one in the driver's cabin and another in the patient's compartiment).	

			• Extinguisher - 2 pieces, minimum 2 l, each. • Rubber mats set in the driver's cabin. • Traction belt of 5000kg, minimum. • Set of non-skid chains. • User guide in Romanian and Russian or English. 8. GUARANTEE All the equipment is guaranteed for a minimum of 36 months from the date of the signature of the minutes of reception. The vehicle must to have a minimum guarantee of 200.000 km or 24 months, whatever will be first achieved. **9.** SERVICE AND MAINTENANCE 9.1 SERVICE AND MAINTENANCE of Motor Vehicles All tenderers will examine the existence of the necessary technical facilities for ambulance services, in accordance with the general warranty conditions and the manufacturer's user guide. The economic agent, the winner, will ensure the technical service and maintenance of ambulances throughout the country, including the zonal areas - North, South and Center - ensuring remedial measures (repairs) for up to 14 calendar days, regardless of the type of repair (repairs). During the warranty period, at the reasonable request of the user, the repair, adjustment and maintenance of the vehicles, according to the specifications of the manufacturer's guidelines, will be done free of charge. 9.2 SERVICE AND MAINTENANCE Of Medical Equipment And Devices All bidders will examine the existence of the necessary technical facilities for services for medical equipment, in accordance with the general warranty conditions and the manufacturer's user guide. During the warranty period: Reaction period from the moment of the request - maximum 24 hours, The maximum duration of remedial measures maximum - 72 hours, if the remedial measures are not executed within a maximum of 72 hours, the medical equipment and devices will be replaced, free of charge.	

			Temporary replacement of equipment must be provided in accordance with the periods mentioned above. During the warranty period, at the reasonable request of the user, the repair, adjustment and maintenance of the medical equipment according to the specifications of the manufacturer's guidelines will be done free of charge. 10. AVAILABILITY OF SPARE PARTS Each bidder assumes under own responsibility to ensure the availability of spare parts, accessories and consumables for all offered positions on the market of the Republic of Moldova, free of charge or against payment as follows: spare parts free of charge, including the workmanship for the guaranteed period. 11. GUIDES It is necessary to provide with a technical and user guides. 12. TRAINING At the delivery, the bidder will ensure the training of the technical and medical staff for the ambulances (vehicle and equipment) and will develop a theoretical and practical training for the professional staff of the Ambulances' medical teams, for good knowledge and skills. 13. VEHICLE REGISTRATION The Seller will provide to the Buyer all documents and permits necessary for the registration of each vehicle at the Public Services Agency of the Republic of Moldova. 14. DELIVERY The ambulances will be delivered in DDP conditions, according to INCOTERMS 2020. The ambulances will be delivered as a functional unit (fully equipped ambulance), by detailing all equipment and devices, according to the giving /receiving act. Until the delivery of ambulances, the winner, will organize the presentation on the territory of the Republic of Moldova of one sample of assembled and equipped ambulance in order to verify its compliance with the schedule of requirements and technical specifications. The cost of the offer includes the devices, packing and transportation to the beneficiary's place, installation and commissioning, technical training regarding the operation and maintenance, training of the medical staff.	

			The cost of consumables, spare parts and workmanship, periodic maintenance during the guarantee period are according to the schedule of requirements and technical specifications. 15. When presenting the offers, the bidders will send a catalogue with coloured photos and/or sketches, which will reproduce the requested configuration according to the schedule of requirements and technical specifications 16. The requirements mentioned in the schedule of requirements and technical specifications are considered mandatory.	
2	Type B 4x2 EMERGENCY AMBULANCES	**1 unity**	Schedule of Requirements and Technical Specifications Type B 4x2 EMERGENCY AMBULANCES 1. GENERAL REQUIREMENTS The ambulance meets the normative requirements for the special vehicles: by type B 4x2 ambulance, it is understood an ambulance of emergency medical service. 1.1 Norms and standards The applied legislation for the elaboration of technical specifications: • Law of the Republic of Moldova about health protection no. 411 from 28 March 1995; • Law of the Republic of Moldova about medical devices no. 102 from 9 June 2017; • Order of the Ministry of Health of the Republic of Moldova no. 739 from 23.07.2012 with regard to the regulation of the authorisation of medicinal products of human use and introduction of amendments post-authorisation, with subsequent amendments; • European Norm EN 1789/2007, A2 edition with regard to medical vehicles and equipment with subsequent amendments; • The medical devices meets the requirements foreseen in the European Directive 93/42/CEE regarding medical devices; • The medical devices fully corresponds to EN 1865 (specifications for stretchers and other equipment for transporting patients by ambulances), when other indications are not given. • The medical devices possess the following: a) Declaration of conformity to the European Communities requirements issued by the manufacturer for the produced medical device;	1 500 000

			b) Declaration of conformity to the European Communities requirements in force for produced devices, where appropriate; • The manufacturers of medical devices follow the quality standard ISO 9001/2008 (quality management system) with subsequent amendments. 1.2 Type of the car's body 1. The ambulance will be built from a single piece of van type with an integrated cabin (added containers or compartments for patients are not allowed). The roof-superstructure made of plastic is not accepted. 2. Ground clearence minimum 200 mm. 2. PERFORMANCES 2.1 Engine: ● cylinder capacity 2000-2200 cm3 ±5%.; ● fuel: diesel; ● Euro 6; ● minimum 170 HP ±5%.; 2.2 Security systems: • Anti-lock braking system (ABS) with electronic system, according to the standards of the automobile industry. • Electronic Stability Program (ESP). • Assisted servo: any type of servodirection will be accepted. • Parking Assist Control will at least be of sound type, but combined types (video and sound) will also be accepted. 2.3 Traction: • Manual gearbox, 6+1 speed or automatic. • The ambulance has 4x4 traction. • The ambulance is equipped with steel wheels, winter/summer tires according to the season of delivery and spare wheel, with the same dimensions as the car is equipped with.	

			2.4 External appearance: The ambulance is in white colour with the following inscriptions and hallmarks: On the front: - ”AMBULANȚA”, printed reversed (blue colour with a height of 150mm); the international symbol of Emergency Medical Service ”Star of Life” (six blue arms, height 300 mm and width 300 mm) of plain blue material. On the both sides of the car body: - The international symbol of Emergency Medical Service „Star of Life” (six blue arms, height 300 mm and width 300 mm) of plain blue material. - ”ASISTENȚĂ MEDICALĂ URGENTĂ” (height 130 mm, blue colour); - National unique number „112” (white on a red background, height 240 mm); - Bands (orange colour, height 150-230 mm each (depending on the height of the ambulance). On the back: - „AMBULANȚA” (blue colour with a height of 150mm); - On the window - two international symbols of Emergency Medical Service „Star of Life” (six blue arms, height 300 mm and width 300 mm) of plain blue material. - The inscriptions are reflective / fluorescent. **3. ELECTRICAL REQUIREMENTS** **3.1 System for visual and acoustic alarm**. • The ambulance will have both visual and acoustic warning system. • The system will allow the possibility to broadcast the necessary information to the people outside the car by using a microphone from the driver's cabin. • The system will be designed so as the siren will not be operational unless the light bar will be in operation. • The various components of the visual warning system will be electrically powered by means of a general switch, which will connect the alarm system to the electrical system of the vehicle. • The alarm system connected directly with the general button to ensure its operation even when the ambulance engine is stopped.	

			• The lights signals will follow the technical requirements stipulated in R 65 CEE - ONU. • The front of the ambulance is equipped with a blue strobe light bar, fixed on the roof, above the driver's cabin or incorporated. This is visible from the front, back and sides of the ambulance. The light bar is equipped with a speaker for a siren and a microphone, with variable acoustic signal intensity. • Special sound signals (siren) mounted on ambulances will have a power of 100 W. This sound power is minimum and is part of a European standard (CEN 1789) governing the complex construction of ambulances. • Between the main headlights, embedded in the mask or on the hood, are fixed two blue flashing lights, oriented towards the front of the vehicle. The operation is carried out by a button different from that of the main light bar. • The main headlights are equipped with a system that includes them in the warning system, so that they illuminate intermittently - high beam or low beam, alternatively, by the left and right headlights. The operation is done through a button different from that of the main light ramp. • At the back, the ambulance is equipped with two blue cylindrical strobe lights, fixed on the roof. These strobes are visible from the back and side. The operation is done through a button different from that of the main light ramp. • On the each lateral part, at the top of the ambulance, there will be placed three intermittent, rectangular blue LED lights. The operation will be done through a unique button with that of the main light bar. • The lateral right side and the back of the ambulance will each have one LED light bulb, directed towards the ground under 45 degrees angle. The operation will be done through separate buttons for each group (right-lateral and back) placed in the driver's compartment as well as at opening the door. • The siren can be operated from the driver's compartment, using a remote control with a microphone. The remote control includes illuminated buttons, including a three-position button. Standard tones are Wail, Yelp, Piercer, Manual Siren and Horn. • The system has the possibility of verbal addressing outside by using the microphone. • The ambulance will have fog lights installed, mandatory front-back. 3.2 Battery and alternator	

			• The construction of the battery and all its connections will be designed so as to prevent a short circuit due to lack of attention. • The electrical system must be able to store a reserve of electricity to restart the engine. The ambulance must have installed at least one more battery (additional). • Minimum capacity/power (according to EN 1789, with subsequent amendments). - Starting battery: rated voltage 12 V min. 80 Ah. - Additional battery: rated voltage 12 V min. 80 Ah. - Alternator: minimum power 1500 W/12 V. - Both batteries shall comply with the EN 1789 standard and all its subsequent amendments. - Inverter 12V-220V, minimum power 1500W. 3.3 Electrical installation 3.3.1 The ambulance will have in its structure an external connector, with type IP-65 protection degree, to make possible the charging of battery (ies) and other equipment, medical devices, to preheat the engine while the ambulance is parked and to heat the patient's compartment. 3.3.2 The 220V connector will be of “male” type and will be installed on the lateral side of the ambulance on the driver’s side. As well, two connectors of “female” type will be delivered, having an attached cable of at least 20 m in length. 3.3.3 The starting of the engine will not be possible as long as it is connected to an external power 220V source. 3.3.4 The electrical system of the ambulance must contain at least four separate sub-systems as follows: - Basic system for the unequipped vehicle. - Power supply system for medical devices. - Power supply system for patient’s compartment. - Power supply system for communications. 3.3.5 Sockets for consumers supply will be foreseen as follows: - 12V sockets for the medical devices in the patient's compartment - minimum 4pieces. - 12V sockets in the driver's cabin – minimum 2 pieces.	

			- 220V sockets for the medical devices in the patient's compartment - minimum 4pieces which will be powered by a 12V-220V inverter with a minimum capacity of 1500W. 3.3.6 The electrical installations will meet the following requirements: - All circuits in the patient's compartment will have automatic safety devices and/or separated switches designed/foreseen within the construction. - The switches must be properly marked and the function of each circuit will be easily identifiable. - There will be at least two circuits so as the failure of one of the circuits does not switch off all the lights or all connected medical devices. - The wiring must withstand more than the maximum load of the fuses or the switches with at least 30%. - The wiring and the pipelines must withstand vibrations. The cables have to be installed in the pipelines. - The cables will not cross areas where are used the gaseous substances. - The outputs will not be interchangeable there where are different voltage systems. **4. THE BODY OF THE VEHICLE** 4.1 Fire safety: All the materials used inside the vehicle must be fire resistant, their firing rate must to be of 100 mm/min, maximum. 4.2 Driver's cabin: The cabin will be equipped with the following: - Windshield defrosting/demisting system operating while the ambulance is in motion or parked both the type integrated in the glass that works on the basis of electricity, and the disintegrated type based on the flow of hot air provided by the vehicle's heating system are accepted. - An external windscreen washing system. - Ventilation and air conditioning system. - Two sunshades.	

			- A handhold for the accompanying person placed near by the lower corner of the windscreen and one handhold above the entrance door. - Airbags for the driver and the passengers. - Double bench for the passenger. - Electrically regulated and heated rear-view mirrors. - Radio, Bluetooth. - Navigation system and the software corresponding to the territory of the Republic of Moldova. - Rechargeable and detachable torch. 4.3 Minimum loading capacity: The number of chairs and/or stretchers (except driver): • 2 in front with seatbelts; • 2 behind (folding). The seat installed in the direction of travel will be equipped with the left arm and a 3-point seat belt integrated into a 180 ° rotating seat and having a headrest, and the seat installed opposite the direction of travel will have a 2-point seat belt. and a headrest. • The stretcher will have the safety belts fastening system, including from the head end of the stretcher over the patient's shoulders. A child set must be included. 4.4 Partition wall: A partition wall will separate the driver's compartment from that of the patient. A sliding window will be foreseen in the partition wall. The window will allow the direct visual contact with the driver. It will be secured against accidental opening and will have an opaque curtain or other devices, so that the light from the patient's compartment to not disturb the driver. The parts of walls besides of the windows above the stretcher level (including the cupboards and drawer fronts) will be made of washable material resistant to disinfection. 4.5 Emergency exits: Besides the back door, there will be an alternative exit from the patient's compartment, which would allow the evacuation of the patient (patients) and the team. 4.6 Openings (doors, windows): • Must to exist minimum two exits: - One in the back (swing doors)	

			- One lateral exit (door) at the patient's compartment. Open position: • The rear doors must allow an opening of minimum 250 º - maximum 270 º. • All openings will be equipped with seals against water infiltration. • The stretcher's loading angle will be of maximum 16º. • The ambulance's doors will be equipped with central locking. • The external doors from the medical compartment must be equipped with security devices according to the requirements: - to be opened and closed from inside without a key; - to be opened and closed with a key from outside the same as when doors are blocked from inside; - the key may be mechanical or non-mechanical, in case if there is a central locking system. • At least two exterior windows should be in the patient's compartment, one have to be on the right side and one on the backside. The window on the lateral side will be a sliding one. • The windows have to be placed so as to ensure patient's privacy, and 1/3 of the top of the windows will allow to see outside. • In case when the doors from the patient's compartment are not completely closed or are opened, an audio and visual signal will alert the driver. 5. PATIENT COMPARTMENT 5.1 General requirements: • The patient's compartment must be designed and built so as to ensure necessary space for the medical devices mentioned bellow. • The ceiling, the inside walls and the doors of the patient's compartment must be made completely from or covered with washable materials resistant to the disinfection. • The material used inside the ambulance (patient's compartment) must to meet the requirements stipulated in the EN 1789 standard. • The compartment of the ambulance must be designed so as 2-4 people to be able to carry out their activity in a vertical position, in comfortable conditions.	

			• The edges of the surfaces must be designed against the ingress of fluids. If the floor does not allow the fluids drain, one or more leaks with stopper/stoppers must be available. • The open shelves must be designed with rounded edges. Drawers must be secured against accidental opening. • The ambulance must be equipped with a compartment for medicines designed with a safety lock. • The ambulance must be designed with one or more handholds positioned above the stretcher on the longitudinal axis. • There must exist 2 handholds positioned near the doors of the patient's compartment: - one handhold installed on the partition wall near the lateral door; - the second handhold installed on the lateral wall near the rear doors. • The entrance into the medical compartment through the rear doors must be facilitated by an installed metal step. • The maintenance equipment (ex. spare wheel or toolbox) will not be accessible from inside of the patient's compartment. Description: Regarding the medical compartment from the rear door the following specifications have to be followed: • The wall on the left side (from the driver's side) will be used for attaching the medical equipment, consumables, and the holders and chargers for the portable medical equipment such as defibrillator and its annexes, fixed vacuum secretions, automatic electric syringe, oxygen supply system - humidifier flow meter. Compartments intended for the storage of medicines and consumables integrated in the left wall must be made of rubber tarpaulin and do not require transparency. Compartments intended for the storage of medicines and consumables integrated in the left wall must be made of rubber tarpaulin and do not require transparency. • All devices installed on the left side wall must to be reachable by hand and visible to the person who is sitting on the chair, placed at the stretcher's head. In case when the configuration allows, a cupboard will be placed for sanitary materials. • On the right side wall, at the level of half upper of the stretcher, will be attached a folding seat for the accompanying person with the possibility to spin towards the stretcher, the seatbelt will	

			be attached by the seat. Some immobilization equipment will have the possibility to be attached on this wall behind the seat of the accompanying person. • The ceiling of the medical compartment will be used for attaching the support for infusions. • The partition wall will be used for attaching a chair with its back towards the driving direction. A container for used materials will be placed on this wall, which should be easy to empty. As well, in this zone there will be a special place for storing the suitcase with resuscitation/examination equipment. It will be easily accessible from outside by opening the lateral door. Also, in this zone there will be placed a container for sharp materials, a disinfectant dosing device and one paper towels holder. • The stretcher holder will be placed to the left side of the patient's compartment. • 2 attached oxygen cylinders with the capacity of 10 l, each, will be placed in a well-defined place in the medical compartment in a zone which allows their easy change. The compartment for the oxygen cylinders must have a transparent and foldable window, to be able to handle the O2 cylinders. • The compartment intended for the oxygen cylinders must have a transparent and foldable window, in order to be able to handle the O2 cylinders. • The pipes must be adjusted to the O2 supply system, that is, they must be made of compatible plastics, durable over time, withstand the pressure in the system, equipped with quick-connect elements and be accessible for repair in the future. • 2 portable oxygen cylinders, one with the capacity of 5 l will have a special place for attachment to the stretcher, and another will have a capacity of 2 l, foreseen with own carrying bag. • The trolley with wheels and fastening system for the patient will be installed in the back, which is easily accessible. • The floor will be chosen so as to provide an adequate adhesion for the accompanying person, including when it is wet; it has to be resistant and easy to clean. • The interior part of the patient's compartment, fully equipped, will be designed so as to reduce to minimum the risk of injury. 5.2 Dimensions of the patient's compartment • Minimum length: 3000 mm, at the stretcher level from which it is excluded the length of any cupboards, drawers and other furniture placed near the partition wall. • Minimum height: 1750 mm, in the stretcher working zone.	

			• Minimum width: - Total, including cupboards- minimum1600 mm.; - The minimum width of the useful surface - minimum 1400mm (according to EN 1789). 5.3 Requirements for the dimensions of the seats from the patient's compartment: - Height: 400 mm -500 mm from the floor; - Width: at least 450 mm; - Depth: at least 400 mm; • For the backrest of the seat: - Height: at least 450 mm; - Width: at least 450 mm. 5.4 Ventilation system: A ventilation system will be available, which would ensure a minimum of 20 replacements per hour of the air volume in the patient's compartment. 5.5 Heating and cooling systems: • Besides of driver's cabin heating, will be available an independent, adjustable, system, to heat the air in the patient's compartment. The system will consists of 2 separated subsystems: - Independent heating aggregate, functional when the engine is on or off. - Heating electric radiator, functional when the ambulance is parked and is plugged to the 220Vpower socket. Those shall be provided with thermostats so that temperature fluctuations not to exceed ± 3ºC. • The system configuration will prevent the entry of exhaust gas in the patient's compartment. • Besides the heating system there will be available an air-cooling system (air conditioning) which will serve the patient's compartment separately. • Heating system of the patient's compartment: - Autonomous heating system in the medical compartment of the vehicle. - The possibility to reach the necessary temperature in 15 min. - To create a temperature of 22°C at the middle of the stretcher in no more than 30 min.	

			- A thermostat must be aviable in order to maintain the temperature with ±3°C. 5.6 Interior lighting • LED lighting of the patient's compartment (light of balanced, natural colour) - Patient’s zone: minim 300 lx (adjustable); - Surrounding zones: minimum 50 lx. 5.7 The level of inside noise Depending on the running speed, the level of inside noise will be according to the European regulations in force (according to EN 1789, pct. 5.7.8 – Interior noise level). 5.8 Perfusion support system • A folding support for perfusion, mounted on the ceiling, will be able to hold two-three perfusions attached vertically and able to maintain their balance. The support should make maximum use of the vehicle’s height above the stretcher. • The support system will have a minimum capacity of 5 kg and will be able to support three bags with liquid, independent one from the other (according to EN 1789). • On the left lateral wall in the proximity of electrical and oxygen sockets there will be installed the bar which will have a sufficient length for mounting the necessary devices. 5.9 Systems for maintaining/attaching the equipment in the patient's compartment (EN 1789 and the subsequent amendments) • Without exception, all materials such as medical devices, the equipment and items that normally are in the ambulance must be attached so as not to be projected when being subjected to a force of minimum 10g (gravitation) horizontally and vertically. • The distance covered by the materials when are subjected to a force does not have to endanger the safety of people in the ambulance. • If they are subjected to these forces, then: - no item will have sharp edges which would endanger the people safety in the ambulance;	

			- the maximum distance of movement of the support or any other attached component and of the fixing system will not exceed 150 mm. 6. MEDICAL DEVICES AND EQUIPMENT 6.1 Endowment with medical devices The ambulance will be designed and built so as to ensure: - The assisted transportation in conditions of maximum safety for the patient and the personnel; - The location and attachment of the medical devices. 6.2 Medical equipment storage • All equipment necessary to perform the standard procedures need to be stored in a place specially designed for this purpose. • The essential equipment needed for an intervention outside the vehicle must be easily accessible through the ambulance's doors. • All equipment will be safely stored by using a fastening system to prevent knocking / injury when the vehicle is moving. 6.3 Requirements for medical devices General requirements: • The equipment will be designed for both, to be used in conditions when the ambulance is in motion as well as to be used to the scene. • If the equipment is designed as "portable" (except the equipment for the patient transportation) it must to: - be carried by one person; - possess own energy source, to be self sufficient, and charged up in the vehicle while it is in motion or is parked; - be used outside of vehicle, independently.	

			• Temperature: - In the absence of other inscriptions on the device, it must to be able to operate within a temperature range of ≤ -5ºC - ≥+40ºC. - In the absence of other inscriptions on the device, this must to be able to operate minimum 20 minutes when it is at a temperature of -5ºC. • Attaching of the equipment: - It will be attached inside the vehicle. - The fastening system must to resist to the accelerations of 10G. - Electrical terminals and sockets will not be part of the fastening system of the equipment. • Electrical security: - All equipment must to be selected and installed so as not to damage the equipment supplying electricity. • Interface with the user: - Buttons, switches, indicators and control panels must to be easily accessible. • Maintenance: - The manufacturer must to provide the user and maintenance guides in Romanian and Russian/ English. 7. LIST OF EQUIPMENT 7.1 The equipment for handling and immobilizing the patient: • The support for the stretcher with fastening system with the possibility to place the stretcher laterally or in the middle with the sliding system. • The main stretcher with wheels and fastening system for the patient: Meets the following criteria: - Length 1950mm ±20 mm.	

			- Width 550±20 mm. - Wheel diameter minimum 200 mm. - To follow the requirements of the standard EN 1865-1:2010+A1:2015 material - metal. - Composed of two removable parts: stretcher and trolley. - EN 1789 testing – the testing certificate must to be available. - Automatic release of the legs of the trolley when unloading from the ambulance. - Height adjustable, minimum 3 positions. - Position Trendelenburg and anti-Trendelenburg when the trolley is on its own wheels. - Adult seat belt system, including over the patient's shoulders. - Child safety belt system. - Folding support for infusions. - Folding lateral handles. - Telescopic handles for the transportation of the stretcher. - Wheel brakes. - System for folding the front and rear legs of the stroller. - Platform and the trolley will support a weight up to 220 kg separately or combined, including when the equipment is on the wheels. - Reusable mattress, made from resistant material, which allows a easy washing and disinfection: - Length 1950mm ±20 mm; - Width minimum 550 mm±20 mm; - Height 100 mm ± 10%; - Other parameters according to the standard EN 1865. • Rigid adjustable stretcher of shovel type made of aluminium: - With head immobilization system. - Adjustable on its length in at least 3 steps for patients with different heights.	

			- Folding. - Fastening straps for the patient. • Complete rigid stretcher for the spine with fastening system: adult and child. • Head immobilizer device: - Made of plastic material, dense with large ear holes for monitoring the patient; impermeable material, easy to clean and disinfect. • Vacuum mattress - 2 pieces, 1 adult and 1 child: - Includes pump and repair kit. - The pump will have the capacity to reduce the pressure with 500 h/Pa during maximum 4 minute. - The minimum width for the vacuum mattress for the adult is minimum 80 cm, for the paediatric one is minimum 45 cm. - Handles for transport. - Fastening straps for the patient. - Other parameters according to the EN 1865 standard. • Wheel chair, with patient fastening system - supports the patient's weight 150 kg ± 10%. Four wheels, including two wheels with braking system. Fixed to the wall of the ambulance. The surfaces of the backrest, and of the footrest are easily detachable. Chair weight less than 10 kg. • Traction device for femoral fractures with a carrying bag. • KED type extrication device - 1 piece.	

			• Splints vacuum for the immobilization of upper, lower limbs - one set each with belts for pelvic immobilization - 2 piecies (set to include additional pump, carrying bag, and emergency repair kit). 7.2 Equipment/devices for resuscitation - breathing (minimum requirements) • Fixed oxygen installation: - Oxygen cylinders: 2 cylinders of 10 liters each, with fast interconnection system: - Pressure reducers endowed with manometers for each cylinder. - 2 fast connections standard DIN for respiratory assistance devices, attached on the left lateral wall. - Flow meter with a maximum capacity of at least 15 L/min., with adjusting valve, humidifier, tubing and facial mask. - 1cylinder of 5 litters with stretcher attachment system, with carrying bag for protection and transportation and reducer with flow meter. • Portable oxygen: - 1 cylinder of 2 litters with place for attachment and fixation in the ambulance, endowed with a bag for transport. - Pressure reducer with a flow meter with a maximum capacity of at least 15 l/min with adjusting valve, tubing and facial mask. • Aspirators - 2 pieces: - One attached to the ambulance's wall according to EN 1789; - One portable electrical device, endowed with a bag for transport, with powering and fixation system in the ambulance: - Resistant to fall, blows, water and disinfectants; - With a vacuum regulator incorporated; - Robust, portable, compact;	

			- Electrical operation from the incorporated battery; - Continuous regimen of operation, based on the built-in battery or connected to the power supply. Battery life time is at least 60 minute; - 220V, 12V power supply with adapter; - Maximum free air suction flow 30 L/min, the pressure will be minimum 600 mmHg, the minimum capacity of the reusable reservoir - 1 L; - Alarm and monitoring system for the battery status and connection to the power supply; - There is delivered in a kit with cable for connection at 12V, with minimum 2 reusable silicone tubes of 1,5-2 m in length and with antibacterial filters, minimum 5 pieces. 7.3 Equipment for monitoring/defibrillation/diagnosis • Semiautomatic defibrillator with monitor: General requirements: - Semiautomatic defibrillator with monitor, robust construction, easy to clean the surfaces, easy to manipulate, to use and transport; - Equipped with alarm systems minimum for: - electrodes detachment; - asystole; - tachycardia; - bradycardia; - fibrillation; - With digital adjusting systems for the levels of alarm. - Impermeable bag with interior compartments and adjustable strap. - Vibration according to EN 1789. - Resistant to the impact, according to EN 1789.	

			Delivered configuration: - Defibrillator with Li Ion battery. - Kit of reusable paddles, including adult and paediatric paddles – 1 set. - Kit of disposable paddles adult and child, including the adapter for the paddles use. - Must to possess one terminal designed for the testing of the proper functionality of the paddles. - Kit of cables for 5-lead ECG. - 15 disposable ECG electrodes (3 boxes of 5 electrodes each). - Built-in thermal printer. - Printer paper -5 pieces. - Cable supply to the 220V network and to the 12V network with connector. - Card SD minimum 2 Gb. - Dedicated carrying bag. - Maximum weight with bag 5,5kg. Technical description: - Must to possess an in-built monitor, HD colour of minimum 7 inches. - Must to allow displaying and visual supervision: ECG route, Pacemaker detection, AED mode, SpO2 values, noninvasive blood pressure, battery status, alarm status, day, date, must to count and record each defibrillation shock. - Must to possess a fast and safe access to menu for the options and the shocks power. - Must to possess an in-built Li-Ion rechargeable battery. - The battery must to provide sufficient power for administration of 150 shocks minimum of 200J or no less than 4 hours of ECG continuous monitoring. - The battery life-time is minimum 4 years. - The recharging time is maximum 4 hours. - Must to possess the sound and visual alarming systems regarding the battery discharge;	

			- The system will be able to work both with reusable paddles as well as with disposable paddles, the paddles must to be interchangeable. - The system must to recognize automatically the paddles type. - The system must to recognize and display on the screen the correct position of the paddles on the chest. - The system must to possess a hardware. - The system must to possess the possibility of automatic evaluation of ECG. - Recording: minimum 2 GB of internal memory. - The system must provide built-in modules for: AED included, SpO2 incorporated, NIBP incorporated, Wi-Fi (band frequency 2.4 CHz) incorporated, Bluetooth incorporated (version 4.0 or 5.0, band frequency 2.402 GHz-2.48CHz). - Heart frequency range between 30 to 300 bpm. - The system must to be able to function as an external Pacemaker. - The printing will be automatic or manual on the one channel. - The width of the paper is 48 mm or other standard dimensions. - The printing speed is 25, 50 mm/sec. - Must to possess alarm systems for: electrode detachment, asystole, tachycardia, bradycardia, and fibrillation. ECG monitoring: - 3 channel derivatives. - ECG signal capture can be done through the paddles with defibrillation, disposable or reusable electrodes. - The Pacemaker recognition must be automatic. Technical parameters defibrillation regimen: ◦ Defibrillation type – BTE type wave (biphasic truncated exponential waveform); ◦ Shock power – automatically selected in the standard way from 2 to 200J;	

			◦ Recharging time for repeated shock administration maximum 8 seconds; ◦ Synchronous discharge for cardioversion. ◦ Automatic system for shock power limitation until 50J when the system recognizes the paediatric paddles; ◦ Automatic cancellation and discharge system of the shocks until 30 seconds in non-usage period. • ECG device with bag for transport Technical description: - Built-in color LCD screen, available to display 3,6,12 leads. - Multiple linguistic support (Romanian and Russian/English). - ECG wave preview, self-diagnosis and the possibility to print the results. - Have a licensed software that allows opening the cardiograms on a computer with Windows 10 operating system. - Port USB – for recording data and back-up. - To possess the calibration system. - Availability of detection and protection systems from the cardiac stimulator and the shock defibrillator. - Functions for Auto Measure and Auto Diagnosis. - Simultaneous recording on 12 channels, amplification and recording. - Built-in thermal printer. - ECG wave editing, receiving, recording speed, patient information and report regarding the performed measurements. - AC and DC power supply. - Rechargeable battery with lithium-ion battery, minimum 2 hours of continuous operation. - Internal memory for 300 ECG waves. - Built-in SD card of minimum 2 GB, which allows to record over 10000 ECG waves.	

			- Online update software available. - Automatic measurement and interpretation, automatic testing, verification of the acquisition channels format3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 12×1, 12×1+T. - The selectable working modes: manually / automatic / rhythm function. - Notify the connection error of the cables or positioning / detachment of the measuring electrode. - High precision digital filters. - Built-in Wi-Fi mode (2.4 CHz band frequency) that allows the online transmission of ECG waves. - ECG recording channels: standard 3, 6, 12 channels. - Accuracy ±2%. - Calibration Voltage - 1mV ± 1%. - Input Impedance 50MΩ. - Circuit Input Current< 50nA. - Stabilization of the reference base – automatic. - Input / external output: ◦ Input ≥100 KΩ sensitivity10mm/V ±5%; ◦ Output: ≤100Ω, sensitivity 1V/mV ±5%. - Recording speed 25 mm /s 50 mm/s. - Delivered accessories: o supply cable-1pice; o patient cable-1 pice; o reusable chest electrodes of pear type-6 pices; o clips type reusable electrodes for extremity- 4 pces; o printer paper-5 pices minimum; o grounding cable-1 piece; o Fuses-2 pices; o PC connection cable-1 piece;	

			o Supply cables: AC-1 piece and DC-1 piece. - User guide in Romanian and Russian or English. - The weight of the device is maximum 3,5 kg together with the transport bag. •Automatic electric syringe with in-built battery Delivered configuration: - Electric syringe; - Li Ion in-built rechargeable battery; - Bar fixing mechanism; - Automatic recognition of mode and of software for syringe; - Supply cable AC - 1 piece; - Kit of syringes for starting and calibration. Technical description: - The digital control to insure a maximum accuracy and safety; - Compatible with syringes of 10ml, 20ml, 30ml, 50ml/60ml, with automatic recognition; of syringes; to be able to function with syringes of various brands; - To be able to automatically calculate the debit after the introduction of the infused volume and the administration time; - To allow the administration of the infusion in bolus at request, with a preselected volume and the accuracy of minimum +/-2%; - To include the calculation of dosage as well; - To possess a drug library; - Infusion speed is 0.1 -200 ml /hour. Monitoring system for: ◦ The accumulator`s status; ◦ The connection to the main 220 V power source;	

			◦ The occlusion pressure level; ◦ The administration profile; ◦ The preselected time; ◦ The operating state; ◦ The unit of dosage/flow measurement; ◦ The infused volume; ◦ The remaining time. Alarm system: ◦ The preset alarm in case of occlusion, to overcome the pressure; ◦ The alarm for the wrong introduction of infusion solutions; ◦ The device malfunction; ◦ When the alarm is triggered, the injector will automatically stop. • Portable heating system for infusion solutions with supply at 12 V and 220V: - Allows the heating of at least 3 solution bags of 1 L each or 6 bags of 0,5 L each. - Must to be included a bag for transport, thermally isolated, with shoulder strap. - The thermal isolation is efficient for 2 hours from its disconnection from the power supply. • Refrigerated bag for thermolabile medicines: - Inner dimension (L * W * H): 180 * 100 * 80 mm (+/- 20 mm); - External dimension (L * W * H): 240 * 170 * 195 mm (+/- 20 mm); - LCD temperature display. - Units of measurement: oC and oF - With the possibility to adjust the temperature. - Operating mode between +2 oC and +8 oC; - Possibility to work in the environment with a minimum temperature: +35 oC. - LCD size: min 58 * 18 mm;	

			- Net weight: 3-5 kg; - Volume: min 1.5 L; - Total weight (with accessories): maximum 6 kg - Accessory: • lithium battery - 2 pcs; Battery working time: min 6 hours; • Car adopter - 1 piece; • Charger - 1 pc; • Adjustable shoulder strap - 1 piece; • Cover for accessories - 1 piece; - Power: AC: voltage: 100V-240V, DC: Voltage: 12V, Input / output voltage (adapter) AC100V-240V / DC9.0V; Voltage (lithium battery) - DC 7.4V; - Support AC110 ~ 240V, DC12V. - The interior will be equipped with a horizontal dividing support for medicines of 1-10ml (min 20 amp.) - With special place, well fixed in the patient's compartment with the possibility of 220V and 12V power supply. 7.4 Sanitary materials (minimum requirements): • Mattress with handles for patients transfer, made of washable material, minimum width 80 cm -2 pieces. • Kit for amputated limbs + container for replanting with maintaining of the internal temperature at -2 - +4°C, for at least 2 hours -1 pice. • Bag /rucksack for portable equipment made of impermeable textile, easy to clean, with reflective strips, foreseen with a spacious compartment divided by removable separators (for Type AMBU balloon, Kit of oropharyngeal, Laringeal masc, Mechanical manual vacuum,	

			Tensiometer with stethoscope, Rechargeable oxygen cylinder 1 L) . On the exterior it has 2 lateral and 1 frontal pockets, support with the handles and adjustable shoulder strap with the pad. Composition: - Type AMBU balloon (1 adult, 1 child) with 5 masks (3 adult, 2 children); -Manual tourniquet system – 1 piece. It must to be easy, portable, to possess a manual pump with manometer in the set with a reusable cuff for adult and child, with a connection tube of minimum 1m (in length), with dedicated bag. - Rechargeable oxygen cylinder 1 L, with the reducer and flow meter - 1 piece. The kits mentioned above will be attached in the place where they will be easily accessed, but without affecting the working space around the patient. Their location will be discussed with the beneficiary before the final execution of attachment works in the patient's compartment. 7.5 Auxiliary materials and devices: • Safety belts cutting device– 1 piece. • Medical scissors of type „safety boy" – 1 piece. • Reflective triangle- 2 pieces. • Flexible projector – 1 piece, able to be connected at 12 V in the driver's cabin. • Rechargeable portable lantern - 1 piece. • Hammer to break the window - 2 pieces, (one in the driver's cabin and another in the patient's compartiment). • Extinguisher - 2 pieces, minimum 2 l, each. • Rubber mats set in the driver's cabin. • Traction belt of 5000kg, minimum. • Set of non-skid chains. • User guide in Romanian and Russian or English. 8. GUARANTEE	

			All the equipment is guaranteed for a minimum of 36 months from the date of the signature of the minutes of reception. The vehicle must to have a minimum guarantee of 200.000 km or 24 months, whatever will be first achieved. **10.** SERVICE AND MAINTENANCE 9.1 SERVICE AND MAINTENANCE of Motor Vehicles All tenderers will examine the existence of the necessary technical facilities for ambulance services, in accordance with the general warranty conditions and the manufacturer's user guide. The economic agent, the winner, will ensure the technical service and maintenance of ambulances throughout the country, including the zonal areas - North, South and Center - ensuring remedial measures (repairs) for up to 14 calendar days, regardless of the type of repair (repairs). During the warranty period, at the reasonable request of the user, the repair, adjustment and maintenance of the vehicles, according to the specifications of the manufacturer's guidelines, will be done free of charge. 9.2 SERVICE AND MAINTENANCE Of Medical Equipment And Devices All bidders will examine the existence of the necessary technical facilities for services for medical equipment, in accordance with the general warranty conditions and the manufacturer's user guide. During the warranty period: Reaction period from the moment of the request - maximum 24 hours, The maximum duration of remedial measures maximum - 72 hours, if the remedial measures are not executed within a maximum of 72 hours, the medical equipment and devices will be replaced, free of charge. Temporary replacement of equipment must be provided in accordance with the periods mentioned above. During the warranty period, at the reasonable request of the user, the repair, adjustment and maintenance of the medical equipment according to the specifications of the manufacturer's guidelines will be done free of charge. 10. AVAILABILITY OF SPARE PARTS Each bidder assumes under own responsibility to ensure the availability of spare parts, accessories and consumables for all offered positions on the market of the Republic of Moldova, free of charge or against payment as follows: spare parts free of charge, including the workmanship for the guaranteed period.	

			11. GUIDES It is necessary to provide with a technical and user guides. 12. TRAINING At the delivery, the bidder will ensure the training of the technical and medical staff for the ambulances (vehicle and equipment) and will develop a theoretical and practical training for the professional staff of the Ambulances' medical teams, for good knowledge and skills. 13. VEHICLE REGISTRATION The Seller will provide to the Buyer all documents and permits necessary for the registration of each vehicle at the Public Services Agency of the Republic of Moldova. 14. DELIVERY The ambulances will be delivered in DDP conditions, according to INCOTERMS 2020. The ambulances will be delivered as a functional unit (fully equipped ambulance), by detailing all equipment and devices, according to the giving /receiving act. Until the delivery of ambulances, the winner, will organize the presentation on the territory of the Republic of Moldova of one sample of assembled and equipped ambulance in order to verify its compliance with the schedule of requirements and technical specifications. The cost of the offer includes the devices, packing and transportation to the beneficiary's place, installation and commissioning, technical training regarding the operation and maintenance, training of the medical staff. The cost of consumables, spare parts and workmanship, periodic maintenance during the guarantee period are according to the schedule of requirements and technical specifications. 15. When presenting the offers, the bidders will send a catalogue with coloured photos and/or sketches, which will reproduce the requested configuration according to the schedule of requirements and technical specifications 16. The requirements mentioned in the schedule of requirements and technical specifications are considered mandatory.	

Estimated value 62 285 600

11. If the contract is divided into batches an economic operator may submit a offer (to be selected):
1) <u>For all batches;</u>

12. Admission or prohibition of alternative offers: ____ not allowed

(to indicate whether is allowed or not)

13. Terms and conditions of delivery / performance / execution required: The ambulances will be delivered in DDP conditions, according to INCOTERMS 2020 in installments within up to 9 months from the date of signing the contract

The ambulances will be delivered as a functional unit (fully equipped ambulance), by detailing all equipment and devices, according to the giving /receiving act.

14. The winner, until delivery of ambulances for lot no. 1, on the territory of the Republic of Moldova will organize the presentation of an assembled and equipped ambulance sample to verify compliance with the technical requirements requested in the award documentation.

<u>The winner will present all user guides/instructions in Romanian and Russian.</u>

15. The term of validity of the contract: <u>10 months from the date of signing the contract</u>

16. Procurement contract reserved for protected workshops or that it can only be performed under protected employment programs (as appropriate): <u>No</u>

(indicate yes or no)

17. The provision of the service is reserved to a certain profession based on the laws or regulations (as appropriate) be): NoBrief description of the criteria for the eligibility of economic operators that may lead to their elimination and of the selection criteria; the minimum level (s) of requirements that may be imposed; provide the information requested (ESPD, documentation):

Note The economic operator will be rejected from the award procedure if he does not upload the bid for the lots that are indicated in the price specification form to SIA RSAP (Mtender).

Nr. d/o	Qualification and selection criteria	How to demonstrate the fulfillment of the criterion / requirement:	Mandatory
1.	**Request for participation**	Completed according to annex no. 7 (*Standard Documentation for the realization of public procurement of goods and services approved by the Order of the Ministry of Finance no. 115 of 15.09.2021*), original confirmed by applying the electronic signature by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person as well in the case of delegation or authorization of the person	YES
2	**Technical proposal**	Completed according to annex no. 22 (Standard Documentation for the realization of public procurement of goods and services approved by the Order of the Ministry of Finance no. 115 of 15.09.2021), original confirmed by applying the electronic signature by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person as well in the case of delegation or authorization of the person. *Note In the offer, the "technical specifications form" must indicate the code of the offered product, including all the accessories, so that it can be identified according to the presented catalog. Otherwise the offer will be rejected.*	YES
3	**Financial proposal**	Completed according to annex no. 23 (Standard Documentation for the realization of public procurement of goods and services approved by the Order of the Ministry of Finance no. 115 of 15.09.2021), original	YES

		confirmed by applying the electronic signature by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person as well in the case of delegation or authorization of the person *The cost of the offer includes the devices, packing and transportation to the beneficiary's place, installation and commissioning, technical training regarding the operation and maintenance, training of the medical staff.* *The cost of consumables, spare parts and workmanship, periodic maintenance during the guarantee period are according to the schedule of requirements and technical specifications.*	
4	**European Single Procurement Document (ESPD)**	Completed according to the European Single Procurement Document (ESPD), approved by the Order of the Ministry of Finance no. 72/2020, original confirmed by applying the electronic signature by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person as well in the case of delegation or authorization of the person	YES
5	**Offer guarantee 2% of the offer**	a) The offer will be accompanied by a Guarantee for the offer (issued by a commercial bank) according to annex no. 9 (Standard Documentation for the public procurement of goods and services approved by the Order of the Ministry of Finance no. 115 of 15.09.2021). *or* b) Guarantee for offer by transfer to the contracting authority's account, according to the following bank details*:* *Beneficiary of payment:* ***Center for Centralized Public Procurement in Healthcare*** *Name of the bank:* ***MF-TT Chisinau-state budget*** *Tax code:* **1016601000212** *IBAN:* **MD23TRPCCC518430B01859AA** *with the note "For the set of award documentations" or "For the offer guarantee for the Open tender no. _____of _ "* confirmed by applying the electronic signature by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person as well in the case of delegation or authorization of the person; Note: The validity period of the offer guarantee will be the same as the validity period of the offer.	YES
6	**Declaration regarding the validity of the offer (90 days)**	Completed according to annex no. 8 (Standard Documentation for the realization of public procurement of goods and services approved by the Order of the Ministry of Finance no. 115 of 15.09.2021), original confirmed by applying the electronic signature by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person as	YES

		well in the case of delegation or authorization of the person. *Note: The validity period of the offers (90 days) will be calculated from the date of the opening of the offers*	
	Confirmatory documents (prospectus) and technical documents confirming the presented specifications, list of accessories of the offered equipment	Confirmatory documents (prospectus) and technical documents confirming the presented specifications, list of equipment accessories offered by the manufacturer- copy confirmed by applying the electronic signature. The manufacturer's catalogue/prospectus/technical documents, indicating/marking the reference number/model of the item assigned to the lot shoulder offered and the technical parameters requested in the award documentation	YES
Optional qualification requirements (will be additionally requested from potential winners)			
1	**Proof of registration of the legal entity, in accordance with the legal provisions of the country where the bidder is established**	Enterprise registration certificate/decision/extract from the State Register of Legal Entities; List of founders of economic operators (name, surname, personal code). The non-resident economic operator will present documents from the country of origin that prove the form of registration/attestation or membership from a professional point of view- copy confirmed by applying the electronic signature by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person as well in the case of delegation or authorization of the person	YES
2	**Certificate regarding the absence or existence of arrears against the national public budget**	issued by the State Fiscal Service (certificate validity - according to the requirements of the State Fiscal Service of the Republic of Moldova) valid on the date of opening of offers. The non-resident economic operator will present documents from the country of origin that prove the absence or existence of arrears to the state budget - copy confirmed by applying the electronic signature by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person as well in the case of delegation or authorization of the person	YES
3	**Financial status**	Last financial report/ Financial status- copy confirmed by applying the electronic signature by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person as well in the case of delegation or authorization of the person	YES
4	**Proof of registration of medical devices in the State Register of Medical Devices**	Proof of registration of medical devices in the State Register of Medical Devices	YES
5	**The statement regarding the confirmation of the effective beneficiaries and their non-qualification in the situation of conviction for participation in the activities of a criminal organization or group, for corruption, fraud and/or money laundering**	It will be presented by the tenderer designated as the winner within 5 days from the date of communication of the results of the public procurement procedure, to the contracting authority (CAPCS) and the Public Procurement Agency, according to the model approved by Order of the Ministry of Finance no. 145/2020, signed in electronic format, by the company administrator indicated in the Extract of the State Register of Legal Entities or by the authorized person, and in the case of delegation or authorization of the person, the act/document of authorization is attached to the offer.	YES

1. **Offer guarantee:**

a) The offer will be accompanied by a Guarantee for the offer (issued by a commercial bank) according to annex no. 9 of the Standard Documentation for the public procurement of goods and services approved by the Order of the Ministry of Finance no. 115 of 15.09.2021.

or

b) Guarantee for offer by transfer to the contracting authority's account, according to the following bank details*:*

Beneficiary of payment: ***Center for Centralized Public Procurement in Healthcare***
Name of the bank: ***MF-TT Chisinau-state budget***
Tax code: **1016601000212**
IBAN: **MD23TRPCCC518430B01859AA**

with the note "For the set of award documentations" or "For the offer guarantee Open tender no. _____of____ " confirmed by applying the electronic signature;

The offer guarantee will be worth: 2% of the value of the offer

2. Garanția de bună execuție a contractului

a) Performance guarantee (issued by a commercial bank) according to annex no. 10 of the Standard Documentation for the public procurement of goods and services approved by the Order of the Ministry of Finance no. 115 of 15.09.2021.

or

b) Guarantee for offer by transfer to the contracting authority's account, according to the following bank details:

Beneficiary of payment: ***Center for Centralized Public Procurement in Healthcare***

Name of the bank: **MF-TT Chisinau-state budget**

Tax code: **1016601000212**

IBAN: **MD23TRPCCC518430B01859AA**

with the note "For the set of award documentations" or "*For the offer guarantee Open tender no. _____of _____ "* confirmed by applying the electronic signature;

Amount of the Performance Guarantee (it is established as a percentage of the amount of the contract awarded): – 5 %

3. Reason for recourse to the accelerated pr ocedure (in the case of an open, restricted and negotiated procedure), as appropriate : -

4.Specific award techniques and tools: electronic auction, three rounds, the minimum step 0.001%, according to the electronic procurement platform.

5.Special conditions on which performance of the contract depends (indicate as appropriate): -

6.Prices of the offers: MDL (Lei Moldovenești)/EURO

Note: The applicable exchange rate date will be: at the date of opening the offers according to NATIONAL BANK OF MOLDOVA .

Note: The price of the Goods delivered according to the Contract will be set in lei (MDL) /euro (depending on the currency in which the offer will be submitted). The total amount of the Contract will be determined in lei MDL /euro. (depending on the currency in which the offer will be submitted). Payment for the delivered Goods will be made by the Centre, lei MDL / euro (depending on the currency in which the offer will be submitted).

7.Evaluation criterion applied for the award of the contract: per lot at the lowest price with all requirements met

22. Factors evaluating the most economically advantageous tender and their weights: -

8.Deadline for submission / opening of offers: - according to SIA RSAP MTender

9. Address to which offers or requests to participate must be sent: Offers or requests for participation will be submitted electronically through SIA RSAP

10.The validity term of the offers: 90 days

18. **11. Place of opening the offers: _SIA RSAP**

Delayed offers will be rejected.

12.Persons authorized to be present at the opening of offers: Bidders or their representatives have the right to participate in the opening of bids, except when the bids were submitted through SIA RSAP.

13.Language or languages in which participation offers or requests must be drafted: state language/ English

14.This contract is related to a project and / or program financed by European Union funds: *The project "Modernization Ambulance Units of the National Center for Urgent Medical Assistance Prespitaliceasca", financed on the basis of the framework loan agreement between the Republic Moldova and the Council of Europe Development Bank (CEB), signed on July 12, 2018 (ratified by Law no. 171/2018), until March 31, 2023, The state budget of the Republic of Moldova for 2022.*

15.Name and address of the competent Authority for solving complaints:
National Agency for Solving Complaints
Address: 124, Stefan cel Mare si Sfant Avenue, (4th floor), Chisinau mun., MD 2001;
Phone/Fax/email: 022-820 652, 022 820-651, contestatii@ansc.md

16.Date (s) and reference (s) of previous publications in the Official Journal of the European Union concerning the contract (s) to which that notice relates (as appropriate): it is published.

17.In the case of regular procurements, the estimated timing for the publication of future notices: __ _-___

18.Date of publication of the notice of intent BAP no 58 from 26.07.2022

19.Date of publication delivery of the participation notice 29.09.2022

20.In the public procurement procedure, the following will be used / accepted:

Name of the electronic instrument	**Will be used / accepted or not**
electronic submission of participation offers or requests	Will be used
electronic control system	
electronic invoicing	Will be used
electronic payments	Will be used

21.The contract is covered by the Agreement on Government Procurement of the World Trade Organization (only in the case of notices sent for publication in the Official Journal of the European Union): no

(to specify yes or no)

22.Other relevant information: _____-_____

Head of the working group: **electronically signed** **Gheorghe GORCEAG**